

2003 Summer Institute Faculty

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Ronald P. Abeles

Dr. Abeles is a Special Assistant to the Director of the Office of Behavioral and Social Sciences Research in the Office of the Director at the National Institutes of Health. From 1994 to September 1998, he served as the Associate Director for Behavioral and Social Research at the National Institute on Aging (BSR/NIA). Previously he served at BSR/NIA as the Deputy Associate Director (1980-1991) and Acting Associate Director (1991 to 1994). Dr. Abeles has been instrumental in fostering behavioral and social research throughout the National Institutes of Health. From 1980 to 1993 he served as the Executive Secretary and Acting Chair of the ad hoc NIH Working Group on Health and Behavior. From 1993 to the present he was first the Vice Chair and then the Chair of the NIH Health and Behavior Coordinating Committee and then of its successor, the NIH Behavioral and Social Sciences Research Coordinating Committee. The committee facilitates behavioral and social research across the NIH and is an advisory group to the Director, Office of Behavioral and Social Sciences Research, NIH.

Dr. Abeles has held elected offices in the aging sections of the American Psychological Association (APA) and the American Sociological Association (ASA). He is a Fellow of the APA, the American Psychological Society (APS), and the Society of Behavioral Medicine (SBM), and of the Gerontological Society of America (GSA). His 1971 doctoral degree in Social Psychology (with a minor in sociology) is from the Department of Social Relations, Harvard University.

Diane J. Catellier, Dr.P.H.

Diane J. Catellier, DrPH, Research Assistant Professor of Biostatistics, University of North Carolina (UNC). Dr. Catellier has over 13 years of multi-center clinical trials management experience at the UNC Collaborative Studies Coordinating Center (CSCC) and the Epidemiology Coordinating and Research Centre (EPICORE) in Edmonton, Canada. She currently is the Principal Investigator of the Enhancing Recovery in Coronary Heart Disease (ENRICHED) Study, a multi-center clinical trial to determine whether treating depression and increasing social support after acute myocardial infarction reduces the risk of recurrent MI and death. She is also co-investigator of the Trial of Activity for Adolescent Girls (TAAG) Study, a group-randomized trial examining the effectiveness of a school and community-based intervention to prevent the decline in physical activity of middle school girls, and of the MRI and Neurocognitive Longitudinal Study, a study designed to learn more about risk factors related to progression of brain abnormalities and how progression may relate to cognitive decline and stroke. In those roles, Dr. Catellier has been directly involved in various aspects of study design, protocol development, training, quality control, and analyses for manuscripts and presentations. Her statistical expertise is in missing data problems, mixed model analysis, categorical data analysis methods and generalized estimating equations procedures.

William F. Chaplin, Ph.D.

William F. Chaplin received his undergraduate degree from Stanford University and his Ph.D. from the University of Oregon, both in Psychology. He joined the faculty of St John's University as an Associate Professor of Psychology in January of 2003. Prior to that he was on the faculty at the University of Alabama in Tuscaloosa where he was appointed in the departments of Psychology and Applied Statistics. Dr. Chaplin's teaching is primarily at the graduate level and includes univariate and multivariate statistics, the general linear model, and psychometrics. Dr. Chaplin's scholarship focuses on personality, psychometrics, data analysis, and health psychology. Within the domain of personality his emphasis has been on identifying relations between personality variables and meaningful behavior, and on the measurement of personality and behavioral constructs. Dr. Chaplin also works as a psychometric and data analytic consultant on a number of funded projects. Currently he is involved with projects at Mt Sinai Medical Center in New York, the Project to Enhance Aged Rural Living at the University of Alabama in Tuscaloosa, and the Longitudinal Hawaii Personality and Health Project at the Oregon Research Institute in Eugene, Oregon. Dr. Chaplin serves on several editorial boards and is a past Associate Editor of the *Journal of Research in Personality*. In 1988, Dr. Chaplin was elected to membership in the Society of Multivariate Experimental Psychology. In 2001-2002 he was a Visiting Scholar in the Mental Health Statistics Training Program at New York University.

Karina Davidson, Ph.D.

Director of Intervention Research
Integrative and Behavioral Cardiovascular Health
Mount Sinai School of Medicine

Dr. Davidson is Assistant Professor of Medicine and Clinical Intervention Research Director of the Integrative and Behavioral Cardiology Program at the Zena and Michael Wiener Cardiovascular Institute of the Mount Sinai Medical Center in New York. Dr. Davidson's research focuses on the interplay between personality, emotions, and physical indices of health in adults. Cardiovascular diseases comprise the area of physical health that she typically studies, and she is interested in personality assessment and intervention at the primary, secondary, and tertiary stages of these diseases. She has conducted randomized controlled trials primarily in anger management, but has recently developed an interest in depression reduction and subsequent improvement in cardiovascular parameters such as uncontrolled hypertension and silent ischemia. Of note are her two randomized controlled trials demonstrating that anger expression changes, gained from group therapy, decrease hostility as well as blood pressure and hospital re-admissions. Dr. Davidson is the Chair of the Society of Behavioral Medicine Committee on Evidence-based Behavioral Medicine, a task force charged with improving and implementing evidence-based principles for behavioral medicine researchers, practitioners, and students. She has taught evidence-based psychotherapy theory and practicum courses to clinical psychology graduate students for a number of years at both the University of Alabama and Dalhousie University. She is an editorial board member of *Psychosomatic Medicine* and the *Journal of Research in Personality*.

Francis J. Keefe, Ph.D.

Francis J. Keefe is a Professor of Psychiatry and Behavioral Sciences and Associate Director for Research in the Duke Pain and Palliative Care Initiative at Duke University Medical Center and Professor of Psychology: Social and Health Sciences at Duke University. He received his undergraduate degree in psychology at Bowdoin College (B.A., 1971) and his Ph.D. in Clinical Psychology at Ohio University (Ph.D., 1975.) Following graduate school he completed a Post-Doctoral fellowship in the Psychophysiology Lab at Massachusetts Mental Health Center (Harvard Medical School) where he conducted research on clinical applications of EMG biofeedback. Frank has broad interests in behavioral and psychological aspects of pain and pain management. He is recognized for his research on pain coping and his controlled treatment outcome studies evaluating the efficacy of coping skills training interventions for persons suffering from persistent disease-related pain.

Frank has played a key role in the development of clinical pain services and pain research programs at Duke Medical Center. For 20 years he directed the Pain Management Program and was a leader in the development of Duke Medical Center's multidisciplinary pain programs (both out-patient and in-patient.) Frank has developed and refined a number of treatment protocols for persistent pain including spouse- and partner-assisted pain coping skills training interventions. After spending a year and a half on the faculty of his alma mater (Ohio University), Frank returned to Duke in the Fall of 1999 to take a position as Associate Director for Research in Duke's new Pain and Palliative Care Program. Frank is currently an Associate Editor for the Journal of Consulting and Clinical Psychology. He also serves as Secretary of the American Pain Society and Psychology Section Editor for the journal Pain. Frank is a fellow of the Division of Health Psychology and of the Society of Behavioral Medicine. He has been active in the Society of Behavioral Medicine and International Association for the Study of Pain. He has published over 140 papers, 42 book chapters, and 3 books on topics ranging from pain during mammography to the assessment of cancer pain. In recognition of his clinical research, Frank was recently awarded the Wilbert Fordyce Clinical Investigator Award at the American Pain Society. He has served on numerous NIH Study Sections including the Behavioral Medicine Study Section and is frequently asked to consult with NIH program staff and other government programs (e.g. Department of Labor.)

Jack M. Gorman, M.D.

Professor and Interim Chair
Department of Psychiatry
Mount Sinai School of Medicine

Jack M. Gorman, M.D. is Professor and Interim Chair for the Department of Psychiatry at the Mount Sinai School of Medicine in New York City. He is also the Scientific Director of the Phobia, Anxiety, and Stress Disorders Clinic at Long Island Jewish Medical Center.

Dr. Gorman earned his medical degree at the College of Physicians and Surgeons, Columbia University. He then interned in pediatrics at Babies Hospital in New York City, and completed a residency in psychiatry at the New York State Psychiatric Institute and Columbia-Presbyterian Medical Center. He also completed a fellowship in psychiatric research and psychopharmacology at Columbia University. He is a Fellow of the American College of Neuropsychopharmacology, Past President of the American Psychopathological Association, Chair of the Scientific Advisory Council of the National Alliance for the Mentally Ill (NAMI), and was named one of the nine best adult psychiatrists in the United States by American Health Magazine. Dr. Gorman is the winner of the American Psychiatric Association Research Prize, the Gerald Klerman Lifetime Achievement Award of the National Depression and Manic Depression Association (DMDA), the Usdin Award of the West Coast College of Biological Psychiatry, and the Joel Elkes Award of the American College of Neuropsychopharmacology.

In addition to his two books both for the general audience (*The Essential Guide to Psychiatric Drugs* and *The Essential Guide to Mental Health*, both published by St. Martin's Press), he is the author of more than 350 journal articles and textbook chapters and co-editor of the textbook Treatments That Work. Dr. Gorman also serves as the Deputy Editor of the *American Journal of Psychiatry*, and as editor in chief of *CNS Spectrums*. Dr. Gorman's research interests include the neurobiology and treatment of schizophrenia, depression and anxiety disorders.

Peter Kaufmann, Ph.D.

Dr. Kaufmann is Leader of the Behavioral Medicine Research Group at the National Heart, Lung, and Blood Institute (NHLBI), NIH. He received his doctorate in Psychology in the Biopsychology program at the University of Chicago, and did post-doctoral research in Neurosciences at Duke University, where he investigated cellular excitability of the central nervous system under conditions of environmental stress. After coming to the NHLBI, he applied his knowledge of the neurosciences and psychology to develop studies of the role of stress in coronary heart disease and hypertension. Data from one of these studies, the Psychophysiological Investigation of Myocardial Ischemia (PIMI) provided evidence for mental stress as an independent risk factor for mortality of patients with confirmed coronary artery disease. He was also instrumental in the conduct of several multi-center randomized clinical trials involving behavioral interventions, including the Hypertension Intervention Pooling Project (HIPP), Trials of Hypertension Prevention (TOHP), the Raynaud's Treatment Study (RTS), and Enhancing Recovery in Coronary Heart Disease Patients (ENRICHED). He has published and presented papers at various national meetings on cardiovascular psychophysiology, and clinical research in behavioral medicine. He has promoted evidence-based behavioral medicine and the importance of rigorous application of randomized clinical trial methodology for evaluating the effectiveness of behavioral interventions for mental disorders and behavioral risk factors for somatic illnesses.

DR. CARLOS F. MENDES DE LEON

Dr. Mendes de Leon is Associate Professor of Medicine and Preventive Medicine, and Associate Director of the Section of Community Epidemiologic Research of the Department of Medicine at Rush-Presbyterian-St. Luke's Medical Center. His major research interests are in common chronic health problems of older persons, with a particular focus on age-related disability and the interplay of biological and psychosocial risk factors for disability. He is currently Principal Investigator of a large, population-based study on social and racial disparities in age-related disability. An important component of this study is the effect of neighborhood variables on health in older adults. He was an Investigator on the ENRICHED clinical trial for isolated and/or depressed patients with myocardial infarction. He is currently a Co-Principal Investigator of a clinical trial testing the effect of a self-management intervention in patients with heart failure. He is involved in two other longitudinal studies of aging-related health problems. He has served on a number of review panels, and is a member of the Epidemiology and Disease Control (EDC-1) study section of the National Institutes of Health. He is a recipient of the Ewald W. Busse Research Award in the Social Behavioral Sciences from the International Association of Gerontology.

Prior to coming to Rush Medical Center in 1996, he was an Assistant Professor in Chronic Disease Epidemiology of the Yale University School of Public Health. He received his doctoral degree from the University of Texas Medical Branch in Galveston, TX, and completed a postdoctoral fellowship in the Epidemiology of Aging at the Yale University School of Public Health.

Biographical Sketch of Michael Proshan

I was born December 23, 1958 in Palo Alto, California. My wife, Maria, and I have been married for 21 years, and I have 2 sons, Daniel (11) and Andrew (7). I am a National Master in the United States Chess Federation.

I received a Ph.D. in Statistics from Florida State University in 1989, an M.S. in Statistics from

Lynda H. Powell, Ph.D.

Professor of Preventive Medicine and Psychology
Department of Preventive Medicine
Rush-Presbyterian-St. Luke's Medical Center

Dr. Powell is a Professor of Preventive Medicine and Psychology and the Director of the Division of Population Sciences and the Section of Epidemiology in the Department of Preventive Medicine. She is a licensed clinical psychologist and a psychosocial and cardiovascular epidemiologist with expertise in anger/hostility, social support, spirituality, depression, and ovarian function and their relationship to cardiovascular disease, particularly in women and in behavioral methods to promote healthy lifestyles. Dr. Powell received her graduate training in psychology at Stanford University and her post-graduate training in epidemiology and biostatistics at Mt. Zion Hospital of the University of California at San Francisco. She has expertise in clinical trial methodology as it pertains to behavioral interventions and was formerly the Principal Investigator of the Chicago site of the Enhancing Recovery in Coronary Heart Disease program, a multicenter randomized behavioral clinical trial aimed at treating depression and low social support in patients with new myocardial infarction. She is currently the Principal Investigator of HART, a randomized behavioral clinical trial of 900 patients with heart failure aimed at teaching self-management skills. She also has expertise in observational epidemiology and is currently the Principal Investigator of 3 longitudinal, population-based studies of psychosocial and subclinical cardiovascular changes that occur as women undergo the menopausal transition. Dr. Powell is a Co-Principal Investigator of the Chicago site of the Women's Health Initiative, where she sits on the Behavioral Advisory Committee that guides all behavioral aspects of the clinical trials and the observational study including strategies to improve adherence and retention. She is the Principal Investigator of the Chicago site of two WHI ancillary clinical trials that are exploring the impact of hormone therapy on cognition in post-menopausal woman. Dr. Powell is a standing member of the Clinical Trials Study Section for the National Heart, Lung, and Blood Institute.

Stanford University in 1982, and a B.S. in Statistics and Mathematics (double major) from Florida State University in 1980.

July 25, 2002

Since 1989 I have been a Mathematical Statistician at the National Heart, Lung, and Blood Institute. I have worked on several clinical trials that used behavioral or non-pharmacologic interventions such as diets and lifestyle changes. My role in these trials is to help with design (sample size/power, whether to pair-match, whether to use a parallel-arm or crossover trial, etc.) and analysis issues (what kind of model to use, handling missing data, etc.). I am also involved in smaller clinical trials and other kinds of studies, such as measuring agreement between real time 3D echocardiography and angiography with respect to whether segments of the heart are diseased. My duties also include methodological research, and I have a special interest in research on adaptively modifying sample size in clinical trials.

I taught statistics and mathematics courses at Palm Beach Junior College, Tallahassee Community College, Florida State University and Stanford University. More recently, I taught a course called Methodology in Clinical Trials for the Foundation for the Advancement of Education in the Sciences.

Bonnie Spring, Ph.D.
Professor of Psychology
University of Illinois Chicago
Department of Psychology

Bonnie Spring, Ph.D. is Professor of Psychology at University of Illinois Chicago and Research Scientist at Hines Hospital VA Medical Center. She is a licensed clinical psychologist, a Diplomate of the American Board of Professional Psychology in clinical health psychology, and an elected fellow of the American Psychological Association and the Society for Behavioral Medicine. Dr. Spring's research has been continuously funded since 1976. Her major interests focus on identifying biobehavioral mechanisms that underly cigarette smoking and obesity, and translating that understanding into the development of interventions to promote smoking cessation and other healthful behavior changes. She has conducted randomized clinical trials of behavioral, pharmacological and biobehavioral treatments to promote smoking cessation and weight control. Her current mechanism studies examine mood regulatory properties of nicotine self-administration among smokers and snack food self-administration among overeaters. Current randomized clinical trials focus on the treatment of depression-prone smokers and on optimal approaches to promote multiple simultaneous health behavior change.

Dr. Spring teaches courses on clinical research methodology, behavioral medicine, psychotherapy theory and technique, and psychopharmacology currently at University of Illinois Chicago and previously at the Chicago Medical School and Harvard University. She has served as a member of the NIH Behavioral Medicine study section, an editor of *Psychopharmacology*, consulting editor for *Journal of Clinical Psychology in Medical Settings*, and editorial board member for *Journal of Consulting and Clinical Psychology* and *Journal of Social and Clinical Psychology*. Spring has also served as primary mentor on nine career development awards for graduate and post-graduate students.

July 25, 2002

Jonathan N. Tobin, Ph.D., is President/CEO of Clinical Directors Network, Inc. (www.CDNetwork.org), a practice-based research network dedicated to underserved patients. Dr. Tobin, a board certified epidemiologist on faculty at the Department of Epidemiology and Social Medicine of Albert Einstein College of Medicine, has an MA and PhD in Socio-Medical Sciences (epidemiology, sociology) from Columbia University, and has extensive experience in the design, administration and analysis of large-scale observational and experimental studies. Dr. Tobin is Principal Investigator of the NIMH SMART/EST Women's HIV Intervention Trial, a three-state (NY, NJ, FL) clinical trial of behavioral interventions for 450 English, Spanish and Creole-speaking women with AIDS. Dr. Tobin has also served as Principal Investigator for three immunization studies funded by the Centers for Disease Control and Prevention (CDC) and Bureau of Primary Health Care (BPHC), Environmental Protection Agency (EPA) and Health Resources and Services Administration (HRSA) "Environmental and Clinical Interventions to Improve Asthma Outcomes" (NY, NJ, PA, MO, PR, VI), NHLBI Antihypertensive & Lipid-Lowering Trial to Prevent Heart Attack (ALLHAT), NIDA "Detecting Depression and Substance Abuse in Primary Care", and AHCPR "PAP Test Training Using Interactive Technology." Dr. Tobin has also served as Co-Principal Investigator of NIAID Community Programs for Clinical Research in AIDS (CPCRA), and American Foundation of AIDS Research (AmFAR) Community-Based Clinical Trials Network (CBCTN), NCI New York Prevention Care Manager Project and NCI Community Health Centers/Cancer Control Project. Since joining CDN, over 200 health centers, 1000 physicians and 30,000 patients have been recruited into clinical studies conducted by Dr. Tobin.

Sherry Willis, Ph.D.

Dr. Sherry Willis is Professor of Human Development at The Pennsylvania State University. She received her Ph. D. from the University of Texas at Austin in Educational Psychology. She is a Fellow in Divisions 15 and 20 of the American Psychological Association and in the Gerontological Society of America. She has served as President of Division 20 (Adult Development and Aging) of APA. In 1995 she was a Fulbright Scholar in Sweden. She is the co-author of a textbook *Adult Development and Aging*, now in its fifth edition. In 1999 she edited a book on *Midlife Development*. She is a co principal investigator on the Seattle Longitudinal Study with Dr. K. Warner Schaie as investigator. Dr. Willis' research focuses on changes in cognitive functioning in adulthood and aging. Much of her research has focused on the modifiability of cognitive functioning in old age through behavioral training programs. Currently she is the PI of one of six sites of a clinical trial examining the effectiveness of three cognitive interventions on enhancing cognitive functioning with cognitively demanding tasks of daily living as the primary outcome. Dr. Willis has developed measures of cognitively demanding tasks of daily living for non-demented and early stage Alzheimer elderly, and has studied longitudinal changes in everyday problem solving in both normal and demented elderly.

Janet Wittes, Ph.D.

President

Statistics Collaborative, Inc.

Dr. Wittes, President of Statistics Collaborative, Inc., received her Bachelor of Arts in Mathematics from Radcliffe College in 1964 and her Doctoral degree from the Department of Statistics at Harvard University in 1970. She is a Fellow of the American Statistical Association and the American Association for the Advancement of Science, and an elected member of the International Statistical Institute. From 1994 to 1998, she was Editor-in-Chief of *Controlled Clinical Trials*, the official journal of the Society for Clinical Trials. Dr. Wittes is a member of many advisory committees, including a large number of data and safety monitoring boards for randomized clinical trials sponsored by both industry and government. Her previous positions include those of Biostatistician, Department of Veterans Affairs Cooperative Studies Program, West Haven, Connecticut from 1989 to 1990; Chief, Biostatistics Research Branch, National Heart, Lung, and Blood Institute from 1983 to 1989; and Associate Professor, Department of Mathematical Sciences, Hunter College of the City University of New York from 1974 to 1982. Her research has focused on the design and analysis of randomized clinical trials, capture-recapture methods in epidemiology, sample-size recalculation problems in clinical studies, and the incorporation of subjective endpoints in clinical trials.